

Solid electrolytic capacitor, and method for preparing the same

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Abstract

A solid electrolytic capacitor is disclosed which combines low LC with Low ESR and which has good characteristics even in a high frequency range, and a method for preparing the same is also disclosed. In the solid electrolytic capacitor whose electrolytic layer contains electrically conductive particles, non-conductive particles are present in at least a part of an interface between a dielectric layer and the electrolyte layer. By employing the structure, local intensifications of field strength in the dielectric layer are prevented to enable a problem of increase in LC to be overcome while keeping ESR low. By the method which comprised a step of applying a colloidal dispersion containing the non-conductive particles in the form of colloidal particles to the post-electrolytic layer formation step product, the solid electrolytic capacitor having the above-mentioned structure can be prepared efficiently.

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